Eco-friendly desktop LCD monitors ideal for corporate environments

NEC MultiSync® E Series

Elevate the eco-friendliness of your work environment. .

17" | 20" | 22" | 23" | 24"

ECO MODE

NEC MultiSync E Series

Featuring

LED-backlit, widescreen LCD displays, raises the standard for "green" computing Compared to previous generation NEC LCDs, these models consume less power overall, radiate less heat, use less packaging, weigh less and utilize more recycled plastics in their production.

It's easy to be green. The MultiSync E Series is loaded with features that promote environmental consciousness. These displays consume less power by using energy-efficient LED backlighting, also utilize ECO Mode™, Intelligent Power Manager (IPM), an off timer and an ambient light sensor that automatically dims the screen to further reduce energy consumption. In addition, these models tout a built-in carbon footprint meter that tracks the conservation of green gas emissions and are free of hazardous materials such as mercury and arsenic.

A new perspective on productivity. These displays' wide-format screens (16:9 and 16:10 aspect ratios) provide roughly the same work area as two smaller-sized LCD screens, allowing you to work simultaneously in multiple/side-by-side application windows (All models except E171M). This functionality, combined with contrast ratios of up to 25,000:1 (dynamic), full connectivity with a DisplayPort input and an ergonomic design, allows the MultiSync E Series to deliver the best in form and function to your desktop.

Highlights

- 10-point multi-touch provides flexible navigation and control for various applications (E232WMT)
- LED backlight technology provides for industry-leading low power consumption and less hazardous materials
- Four-way ergonomic stand boasts pivot, tilt, swivel and height adjustment to maximize your viewing comfort (E171M / E232WMT - - tilt and height)
- Displayport input provides expanded connectivity with advanced technology (Widescreen models)
- Ambient light sensor minimizes power consumption by automatically adjusting the brightness to the optimal setting depending on ambient lighting, screen content or both (Widescreen models)
- Full HD web cam provides crisp, clear video for video conferencing (E232WMT)
- ECO Mode® allows you to manually adjust the display's brightness to two preset settings, including ENERGY STAR®, saving more power and reducing your energy costs
- Intelligent Power Manager (IPM) system and off timer provide innovative, power-saving methods and reduce CO_2 emissions by shifting to a lower power consumption level or automatically powering down when the monitor is on but not in use
- Carbon footprint meter helps track and calculate the reduction of green gas emissions, while the resettable cost meter (via On Screen Display) indicates electricity cost savings based on currency settings
- Dynamic Video Mode enhances video and images with real-time optimization of brightness, color and contrast
- Integrated speakers provide crisp localized sound for various applications (E171M, E233WM, E243WMi, E245WMi and E232WMT)
- ENERGY STAR 6.0 compliance reduces electrical costs and lowers total cost of ownership
- NEC Display Solutions' quality and reliability provide peace of mind with a 3-year limited parts and labor warranty (including backlight) and unrivaled customer service and technical support

MODEL	E171M	E203Wi	E223W	E224Wi	E233WM	E243WMi	E245WMi	E232WMT
DISPLAY								
Panel Technology	TN	AH-IPS	TN	AH-IPS	TN	AH-IPS		
Backlight Type	W-LED							
Viewable Image Size	17"	20"	22"	21.5"	23"	23.8"	24"	23"
Aspect Ratio	5:4	16:9	16:10	16:9			16:10	16:9
Native Resolution	1280x1024	1600 x 900	1680 x 1050	1920 x 1080			1920 x 1200	1920 x 1080
Pixel Pitch	0.26mm	0.27mm	0.28mm	0.25mm	0.27mm	0.28mm	0.27mm	
Pixels Per Inch	96 @ native resolution		90 @ native resolution	102 @ native resolution	96 @ native resolution	93 @ native resolution	94 @ native resolution	96 @ native resolution
Brightness (typical)	250 cd/m²							
Contrast Ratio (typical)	1000:1 (25,000: dynamic)							
Viewing Angle (typical)	170° Vert., 176° Hor. (85U/85D/88L/88R) @ CR>5	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10		178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	170° Vert., 176° Hor. (85U/85D/88L/88R) @ CR>5	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10		170° Vert., 170° Hor. (85U/85D/85L/85R) @ CR>10
Response Time (typical)	5ms	14ms	5ms	6ms	5ms		6ms	5ms
Displayable Colors	More than 16.7 million							
Synchronization Range								
Horizontal (Analog/Digital)	31.5-81.1 kHz						31.5-77 Hz	31.5-83 kHz
Vertical	45-76Hz	56-75 Hz	56-75 Hz	56-76 Hz			56-60 Hz	56-75 Hz
Input Signal								
Video	Analog RGB 0.7 Vp-p/75 Ohms							
Sync	Separate Sync: TTL Level (Positive/Negative); Composite Sync: TTL Level (Positive/Negative); Composite Sync on Green: (0.3Vp-p negative 0.7Vp-p positive)							
Input Connectors	DVI-D and VGA 15-pin D-sub	DisplayPort, DVI-D, VGA 15-pin D-sub						DVI-D, HDMI, VGA 15-pin D-Sub
POWER CONSUMPTION								
On (typical)	12W	17W	24W	26W	19W	19W	22W	24W
Power Savings Mode (typical)	0.15W	0.35W	0.35W	0.4W	0.34W	0.4W	0.26W	0.8W
PHYSICAL SPECIFICATIONS								
Dimensions (WxHxD)								
Net (with stand)	14.5 x 14.1-16.1 x 9.1 in. / 368 x 358.5-408.5 x 230mm	18.3 x 13.8-18.1 x 8.4 in. / 466 x 350.0-460.0 x 213.9mm	19.8 x 15.1-19.4 x 8.4 in. / 503.5 x 383.3-493.3 x 213.9mm	20 x 14.4-18.7 x 8.4 in. / 507.4 x 364.5-474.5 x 213.9mm	21.4 x 14.7-19.1 x 8.4 in. / 544.3 x 374.5-484.5 x 213.9mm	22.0 x 14.9-19.3 x 8.4 in. / 557.8 x 379.6-489.6 x 213.9mm	21.9 x 15.5-19.9 x 8.4 in. / 556.2 x 394.2-504.2 x 213.9 mm	22.1 x 14.0-16.4 x 9.8 in. / 561 x 354.9-416.7 x 249.7mm
Net (without stand)	14.5 x 12.6 x 2.4 in. / 368 x 320.5 x 61mm	18.3 x 10.8 x 2.1 in. / 466.0 x 273.2 x 53.3mm	19.8 x 13.0 x 2.4 in. / 503.5 x 329.7 x 60.5mm	20 x 11.9 x 2.3 in. / 507.4 x 301.1 x 58.5mm	21.4 x 12.7 x 2.1 in. / 544.3 x 322.2 x 53.3mm	22.0 x 13.0 x 2.3 in. / 557.8 x 331.4 x 58.5 mm	21.9 x 14.2 x 2.3 in. / 556.2 x 361.6 x 58.6 mm	21.4 x 12.7 x 2.4 in. / 561 x 354.2 x 57.2 mm
Weight								
Net (with stand)	9.3 lbs / 4.2 kg	10.8 lbs. / 4.9 kg	10.8 lbs. / 4.9 kg	13.0 lbs. / 5.9 kg	12.6 lbs. / 5.7 kg	13.9 lbs. / 6.3 kg	13.7 lbs. / 6.2 kg	16.8 lbs. / 7.6 kg
Net (without stand)	6.6 lbs. / 3.0 kg	6.4 lbs. / 2.9 kg	7.1 lbs. /3.2 kg	8.6 lbs. / 3.9 kg	8.2 lbs. / 3.7 kg	9.5 lbs. / 4.3 kg	9.7 lbs. / 4.4 kg	11.7 lbs. / 5.3 kg
VESA Hole Configuration	100 x 100mm							
ENVIRONMENTAL CONDITIONS								
Operating Temperature	41-95°F / 5-35°C							
Operating Humidity	20 - 80%							
Operating Altitude	6562 ft. / 2000m							
Storage Temperature	14-140°F / -10-60°C							
Storage Humidity	10-85%							
Storage Altitude	40,000 ft. / 12,192m							
ENVIRONMENTAL COMPLIANCE								
ENERGY STAR	6.0							
TCO	6.0							
RoHS	Yes							
LIMITED WARRANTY	3 years parts and labor, including backlight*							
ADDITIONAL FEATURES	Auto brightness with ambient light sensor (select models); ECO Mode; Carbon footprint meter(select models); Resettable cost meter(select models); Thin frame; Tilt; Swivel(select models); Pivot(select models); Height-adjustable stand; Carrying handle(select models); Rapid Response; Zero / Thin Client mounting plate (E245WMi); USB 3.0 Hub (E232WMT); FHD Web cam (E232WMT); Integrated speakers(Select models); Ambix; XtraView; OSD® user controls; OSD Lock Out; NaViKey; NaViSet software; Hot key; Cable management; NaViSet™ Administrator 2; VESA mount; HDMI-capable via DVI adapter; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC 2B); VESA DPMS power management; Dynamic Video Mode; AccuColor color control; Digital smoothing; Digital controls; ISO 9241-307 Class I; Windows 7- and 8-certified							
SHIPS WITH	Setup sheet; User manual; Power cord; 15-pin D-sub cable; DVI-D cable; audio cable (E171M, E233WM, E243WMi, E232WMT); E245WMi - DisplayPort cable, Zero / Thin Client Mount							

E232WMT with multi-touch LCD and FHD webcam

Ergonomic capabilities

Touch-sensitive OSD controls (select models)

NEC Display Solutions of America

http://www.necdisplay.com

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